

Improving Parks through Innovative Waste Management

Kelvingrove Park Glasgow

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Association for
Public Service
Excellence

DEFINE

MEASURE

ANALYSE

IMPROVE

CONTROL

Data | Process | Digital | Design

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Glasgow's Parks

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- 'Dear Green Place'
- 94 Parks
- 5 City Parks
- 12 District Parks
- 77 Local Parks
- Importance of Health & Wellbeing

KELVINGROVE PARK

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CONCERTS
SPORTS
EVENTS
FITNESS
EDUCATION



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Facts & Figures

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- Busiest Park in Glasgow
- Kelvingrove Museum
- 2 million “visits” per year
- Play area and skateboard facility
- Holds in excess of 50 events each year
- Mixed Demographics, students etc.

Challenges

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Internal Stakeholder Issues

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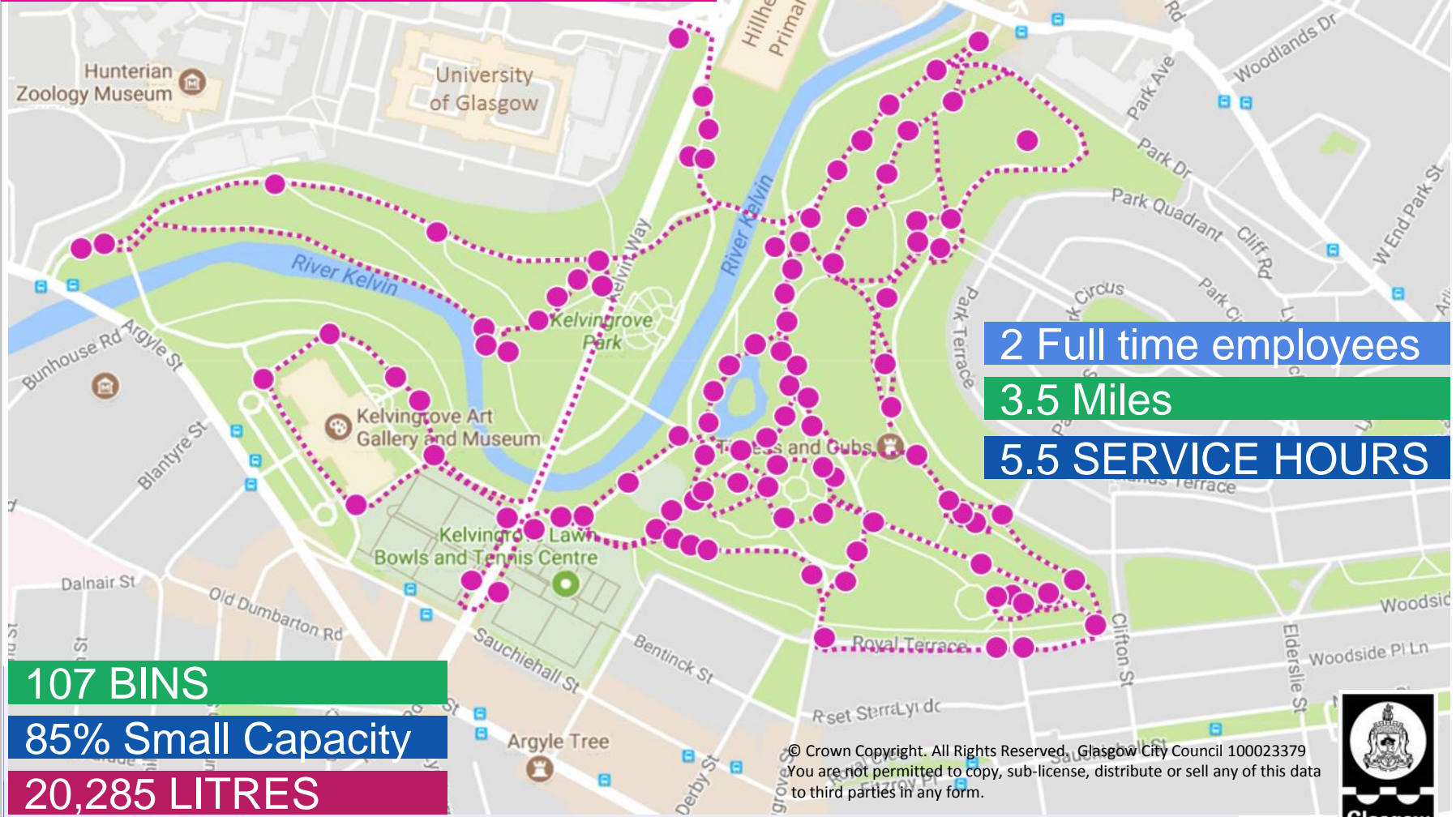
- Lifting old bins difficult
- Bins fill with water
- Number of bins– 107
- Servicing schedule
- Peak time resource issues

External Stakeholder Issues

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- Bins overflow
- No bin inserts
- Odour of bins near benches
- Wildlife pests
- Design of existing bins
- Condition of bins

Previous Bin Locations



2 Full time employees

3.5 Miles

5.5 SERVICE HOURS

107 BINS

85% Small Capacity

20,285 LITRES

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Current Bin Locations

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Servicing

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Staff Resources Summer

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Pre

2 Staff

11 Hrs

Daily Servicing

Total Service
Hrs = 77

Post

2 Staff

3 Hrs

3 per Week
Servicing

Total Service
Hrs = 18

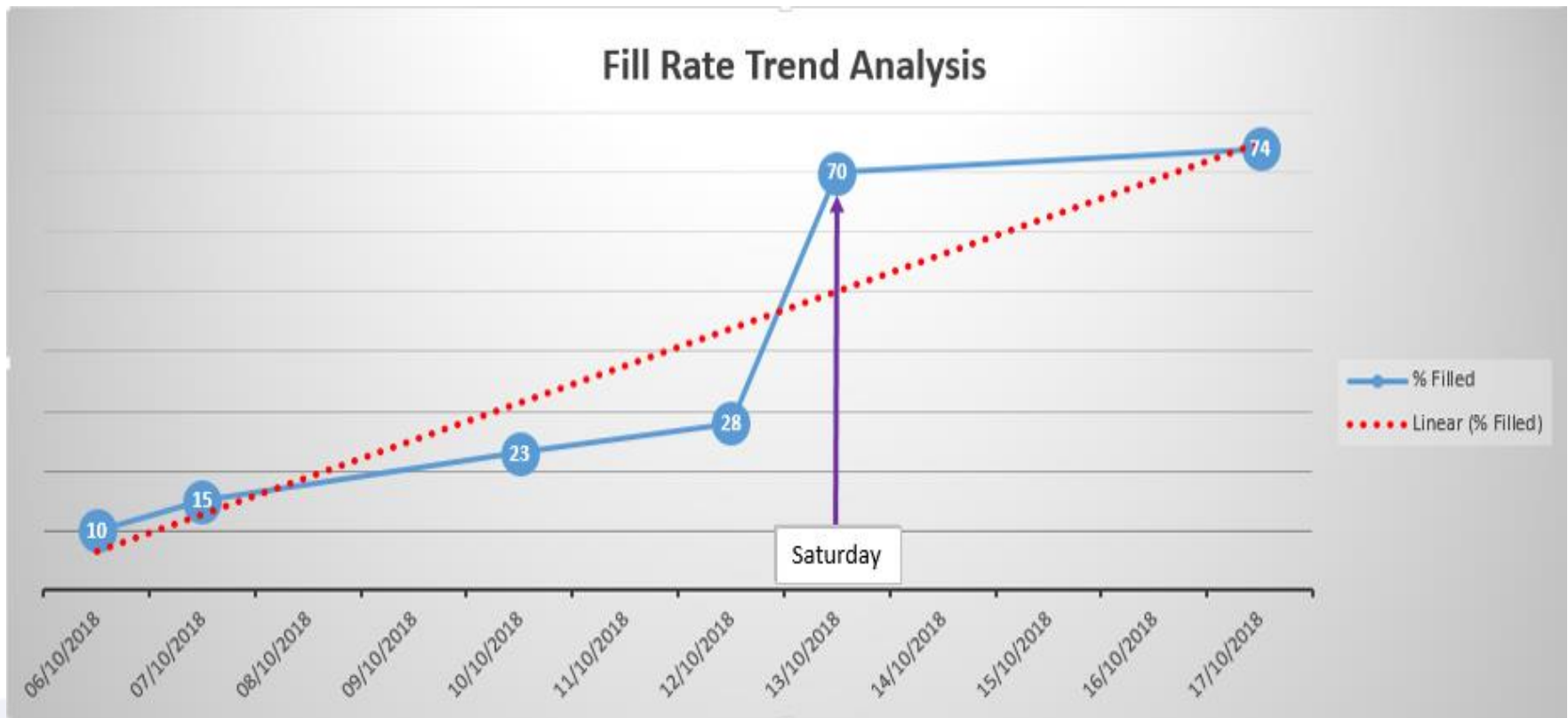
Total Saving is 59 Service Hrs Per Week

Innovation

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- Bin Sensors

Fill Rate Trend Analysis



Recycling

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- Recycling “On the go”
- Political Commitments
- 1 Distinctive unit (Blue lid)
- Quality of recyclate “High”



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BEFORE



AFTER



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Post Implementation

- Less litter in the park
- 90 % less complaints
- Improved internal LEAMS score
- Infrastructure aesthetically pleasing
- Less of an issue with overflowing bins
- Cleaning & maintenance issues
- Vandalism & graffiti

Financial Information

Item	Quantity	Price (£)
3000L Semi –underground Bin	10	16,703
Spare Bags	2	337
Bin Stickers	40	450
	Sub Total	17,490
Item	Quantity	Price (£)
Hiab Plant Hire	1 Unit, 2 Days	£1,040
Foreman/Operator/Tradesperson	1 of Each	£1,432
Pea Gravel	10	£500
Ballast/Stone (Bag)	40	£2000
	Sub Total	4,972
	Total	£22,462

Lessons Learned

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- Correct number of bins
- Deployment into City/District Parks
- Service arrangements -bespoke vehicle
- Replacement of liners – BBQs
- Retention of several free standing bins
- Successful communications exercise

Questions

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